

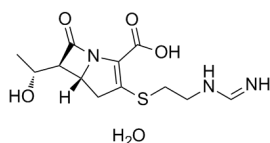
Certificate of Analysis

Product Name: Imipenem monohydrate
Cat. No.: HY-B1369
CAS No.: 74431-23-5
Batch No.: 34604
Chemical Name: 1-Azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid, 6-[(1R)-1-hydroxyethyl]-3-[[2-[(iminomethyl)amino]ethyl]thio]-7-oxo-, hydrate (1:1), (5R,6S)-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C₁₂H₁₉N₃O₅S
Molecular Weight: 317.36
Storage: Powder -20°C 3 years
In solvent -80°C 6 months
-20°C 1 month

Chemical Structure:



ANALYTICAL DATA

Appearance: Yellow to brown (Solid)
¹H NMR Spectrum: Consistent with structure
Purity (NMR): >97.0%
Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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